

Converting Colors

`RYB(205, 221, 237)`

Have a look what the booklet for RYB(205, 221, 237) contains.

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Color

R_YB(205, 221, 237)

Conversions

Conversions Part 1

Format	Color
Hex	CDEDED
RGB	205, 237, 237
RGB Percent	80%, 93%, 93%
CMY	0.1961, 0.0706, 0.0706
CMYK	0.14, 0.00, 0.00, 0.07
HSL	180°, 47%, 87%
HSV	180°, 14%, 93%
XYZ	70.7471, 79.6619, 91.7683
YIQ	227.4320, -19.0720, -6.7840

Conversions

Conversions Part 2

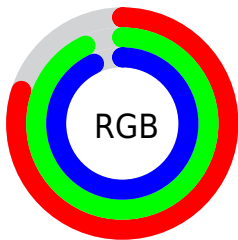
Format	Color
R _Y B	205, 221, 237
Decimal	13495789
CIE Lab	91.53, -10.37, -3.52
CIE LCh	92, 10.950, 198.733
Yxy	79.6619, 0.2921, 0.3289
Android (android.graphics.Color)	4291685869 (0xFFCDEDED)
YUV	227.4320, 4.7170, -19.6729
Hunter-Lab	89.2535, -14.7051, 1.5170

Details

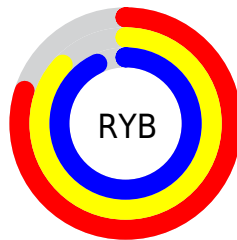
The RYB color **205, 221, 237** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **237, 205, 205**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is **255, 255, 255**, and **150, 166, 181** is the 20% darker color. If you saturate the color by 10%, you get **181, 209, 237**, and if you desaturate by 10%, it is **229, 233, 237**.

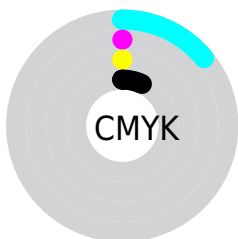
Distribution



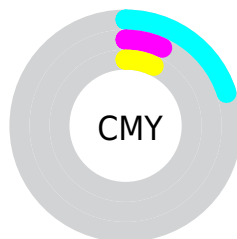
- Red (80%)
- Green (93%)
- Blue (93%)



- Red (80%)
- Yellow (87%)
- Blue (93%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 205, 221, 237 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 205, 221, 237 by changing the saturation by 10% instead.

■ 205, 221, 237

255, 255, 255

■ 205, 221, 237

■ 177, 193, 209

■ 150, 166, 181

■ 124, 139, 154

■ 99, 114, 128

■ 75, 89, 103

■ 51, 65, 79

■ 28, 42, 57

■ 6, 21, 35

■ 0, 6, 13

■ 205, 221, 237

■ 205, 221, 237

■ 181, 209, 237

■ 229, 233, 237

■ 158, 198, 237

■ 252, 237, 237

■ 134, 186, 237

■ 255, 237, 237

■ 110, 174, 237

■ 86, 162, 237

■ 63, 150, 237

■ 39, 138, 237

■ 15, 126, 237

■ 0, 119, 237

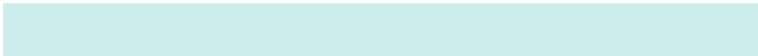
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



210, 227, 237



205, 221, 237



207, 224, 246

Triad

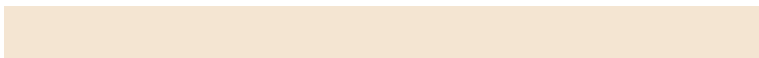
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



205, 221, 237



241, 226, 245



237, 244, 210

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



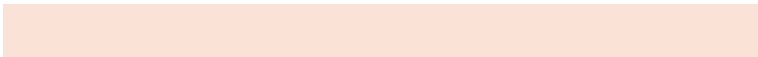
205, 221, 237



237, 205, 205

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



251, 231, 215



205, 221, 237



250, 224, 235

Square

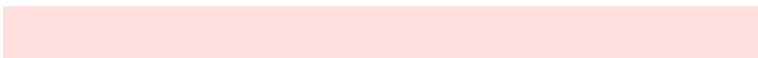
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



205, 221, 237



228, 229, 250



254, 224, 224



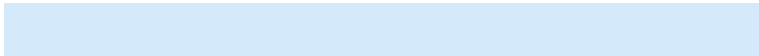
211, 232, 211

Rectangle

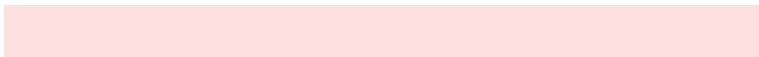
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



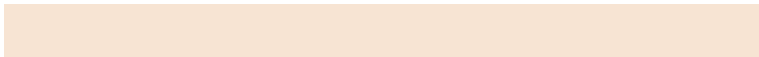
205, 221, 237



212, 226, 250



254, 224, 224



247, 243, 211

Sweetspot

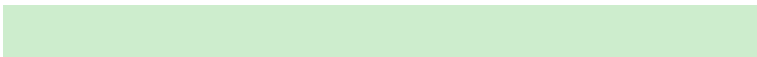
The Sweet Spot groups the original color and five complimentary colors.



205, 221, 237



245, 250, 255



205, 237, 237



121, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



205, 221, 237



214, 235, 255



205, 216, 237



106, 112, 117



0, 91, 181



0, 27, 54

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



237, 205, 237



255, 214, 255



237, 237, 205



117, 106, 117



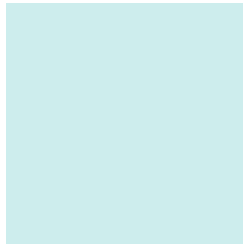
181, 0, 181



54, 0, 54

Previews

White Background



This preview shows how the RYB color 205, 221, 237 looks on a white background.

Color Contrast Check

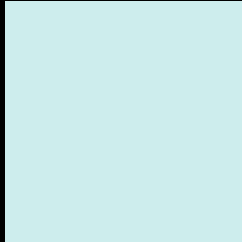
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 205, 221, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

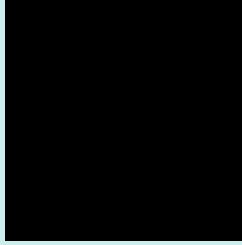
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

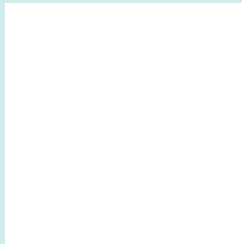
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 205, 221, 237 Background



This preview shows how black text looks on a background with the RYB color 205, 221, 237.



This preview shows how white text looks on a background with the RYB color 205, 221, 237.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

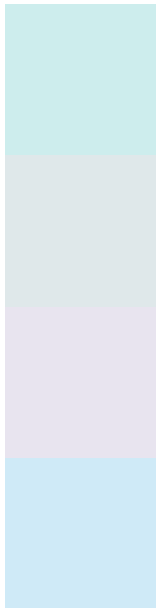
Dichromacy





Tritanopia
208, 224, 253

Trichromacy



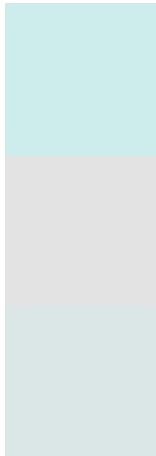
Original Color
205, 221, 237

Protanomaly
223, 228, 234

Deuteranomaly
232, 228, 239

Tritanomaly
207, 223, 247

Monochromacy



Original Color
205, 221, 237

Achromatopsia
227, 227, 227

Achromatomaly
219, 225, 231

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 221, 237 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(205, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(205, 237, 237)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(205, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 237, 237) }
```

Border

The CSS property to change the border of an element to RYB 205, 221, 237 is called "border". The border property can be set on classes, ids or directly on the HTML element.

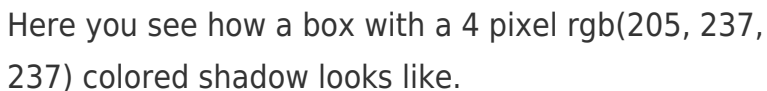
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 237, 237) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(205, 237, 237) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(205, 237, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 237, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 237, 237); box-shadow:4px 4px 4px 4px rgb(205, 237, 237) }
```

Background

The CSS property to change the background color of an element to RYB 205, 221, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 237, 237) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(205,  
237, 237) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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